





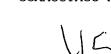
SEQUENCE LISTING

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(1) GENERAL INFORMATION:

- (i) APPLICANT: LI, Yi
- (ii) TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN CHEMOKINE RECEPTOR HDGNR10 (AS AMENDED)
 - (iii) NUMBER OF SEQUENCES: 9
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 - (B) STREET: 1100 NEW YORK AVE., NW, SUITE 600
 - (C) CITY: WASHINGTON
 - (D) STATE: DC
 - (E) COUNTRY: USA
 - (F) ZIP: 20005
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/466,343
 - (B) FILING DATE: 06-JUN-1995
 - (C) CLASSIFICATION:
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: STEFFE, ERIC K.
 - (B) REGISTRATION NUMBER: 36,688
 - (C) REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (202) 371-2600
 - (B) TELEFAX: (202) 371-2540
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1414 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: double
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: cDNA
 - (ix) FEATURE:
 - (A) NAME/KEY: CDS
 - (B) LOCATION: 259..1314
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GTGAGATGGT GCTTTCATGA ATTCCCCCAA CAAGAGCCAA GCTCTCCATC TAGTGGACAG 60
GGAAGCTAGC AGCAAACCTT CCCTTCACTA CGAAACTTCA TTGCTTGGCC CAAAAGAGAG 120





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TTA	ATTC	AAT (GTAG	ACAT	CT A	TGTA	GGCA	A TT	AAAA	ACCT	ATT	GATG'	TAT .	AAAA	CAGTT'	T	180
GCA'	TTCA'	rgg 2	AGGG	CAAC'	ra a	ATAC	ATTC	r AG	GACT'	TAT	AAA	AGAT	CAC '	TTTT	rattt.	A	240
TGC	ACAG(GGT (GGAA(CAAG										TAT Tyr 10			291
														AAG Lys			339
														ATC Ile			387
GGT Gly	TTT Phe 45	GTG Val	GGC Gly	AAC Asn	ATG Met	CTG Leu 50	GTC Val	ATC Ile	CTC Leu	ATC Ile	CTG Leu 55	ATA Ile	AAC Asn	TGC Cys	CAA Gln		435
														ATC Ile			483
GAC Asp	CTG Leu	TTT Phe	TTC Phe	CTT Leu 80	CTT Leu	ACT Thr	GTC Val	CCC Pro	TTC Phe 85	TGG Trp	GCT Ala	CAC His	TAT Tyr	GCT Ala 90	GCC Ala		531
GCC Ala	CAG Gln	TGG Trp	GAC Asp 95	TTT Phe	GGA Gly	AAT Asn	ACA Thr	ATG Met 100	TGT Cys	CAA Gln	CTC Leu	TTG Leu	ACA Thr 105	GGG Gly	CTC Leu		579
														CTG Leu			627
														AAA Lys			675
														GTG Val			723
														CAA Gln 170			771
														CAG Gln			819
														GGG Gly		•	867
														CTA Leu			915
														GTG Val			963

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225 220 230 235 CTT ATC TTC ACC ATC ATG ATT GTT TAT TTT CTC TTC TGG GCT CCC TAC 1011 Leu Ile Phe Thr Ile Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr 240 245 AAC ATT GTC CTT CTC CTG AAC ACC TTC CAG GAA TTC TTT GGC CTG AAT 1059 Asn Ile Val Leu Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn 260 AAT TGC AGT AGC TCT AAC AGG TTG GAC CAA GCT ATG CAG GTG ACA GAG 1107 Asn Cys Ser Ser Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu 275 ACT CTT GGG ATG ACG CAC TGC TGC ATC AAC CCC ATC ATC TAT GCC TTT 1155 Thr Leu Gly Met Thr His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe 285 290 GTC GGG GAG AAG TTC AGA AAC TAC CTC TTA GTC TTC CAA AAG CAC 1203 Val Gly Glu Lys Phe Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His ATT GCC AAA CGC TTC TGC AAA TGC TGT TCT ATT TTC CAG CAA GAG GCT 1251 Ile Ala Lys Arg Phe Cys Lys Cys Cys Ser Ile Phe Gln Gln Glu Ala CCC GAG CGA GCA AGC TCA GTT TAC ACC CGA TCC ACT GGG GAG CAG GAA 1299 Pro Glu Arg Ala Ser Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu 335 ATA TCT GTG GGC TTG TGACACGGAC TCAAGTGGGC TGGTGACCCA GTCAGAGTTG 1354 Ile Ser Val Gly Leu 350 TGCACATGGC TTAGTTTTCA TACACAGCCT GGGCTGGGG TGGGGTGGAA GAGGTCTTTT 1414

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 352 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Asp Tyr Gln Val Ser Ser Pro Ile Tyr Asp Ile Asn Tyr Tyr Thr
1 10 15

Ser Glu Pro Cys Pro Lys Ile Asn Val Lys Gln Ile Ala Ala Arg Leu 20 25 30

Leu Pro Pro Leu Tyr Ser Leu Val Phe Ile Phe Gly Phe Val Gly Asn 35 40 45

Met Leu Val Ile Leu Ile Leu Ile Asn Cys Gln Arg Leu Glu Ser Met 50 60

Thr Asp Ile Tyr Leu Leu Asn Leu Ala Ile Ser Asp Leu Phe Phe Leu



70 75 80 Leu Thr Val Pro Phe Trp Ala His Tyr Ala Ala Ala Gln Trp Asp Phe 90 Gly Asn Thr Met Cys Gln Leu Leu Thr Gly Leu Tyr Phe Ile Gly Phe 105 Phe Ser Gly Ile Phe Phe Ile Ile Leu Leu Thr Ile Asp Arg Tyr Leu Ala Ile Val His Ala Val Phe Ala Leu Lys Ala Arg Thr Val Thr Phe 135 Gly Val Val Thr Ser Val Ile Thr Trp Val Val Ala Val Phe Ala Ser Leu Pro Gly Ile Ile Phe Thr Arg Ser Gln Lys Glu Gly Leu His Tyr 165 170 Thr Cys Ser Ser His Phe Pro Tyr Ser Gln Tyr Gln Phe Trp Lys Asn 185 Phe Gln Thr Leu Lys Ile Val Ile Leu Gly Leu Val Leu Pro Leu Leu Val Met Val Ile Cys Tyr Ser Gly Ile Leu Lys Thr Leu Leu Arg Cys Arg Asn Glu Lys Lys Arg His Arg Ala Val Arg Leu Ile Phe Thr Ile Met Ile Val Tyr Phe Leu Phe Trp Ala Pro Tyr Asn Ile Val Leu Leu 245 250 Leu Asn Thr Phe Gln Glu Phe Phe Gly Leu Asn Asn Cys Ser Ser Ser Asn Arg Leu Asp Gln Ala Met Gln Val Thr Glu Thr Leu Gly Met Thr 280 His Cys Cys Ile Asn Pro Ile Ile Tyr Ala Phe Val Gly Glu Lys Phe Arg Asn Tyr Leu Leu Val Phe Phe Gln Lys His Ile Ala Lys Arg Phe Cys Lys Cys Cys Ser Ile Phe Gln Glu Ala Pro Glu Arg Ala Ser 325 330 Ser Val Tyr Thr Arg Ser Thr Gly Glu Gln Glu Ile Ser Val Gly Leu 345

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS
 - (A) LENGTH: 30 BASE PAIRS
 - (B) TYPE: NUCLEIC ACID
 - (C) STRANDEDNESS: SINGLE
 - (D) TOPOLOGY: LINEAR
- (ii) MOLECULE TYPE: Oligonucleotide

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(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:3:	
CGGAATTCCT	CCATGGATTA TCAAGTGTCA 30	
(2) INFO	RMATION FOR SEQ ID NO:4:	
(A) (B) (C)	ENCE CHARACTERISTICS LENGTH: 29 BASE PAIRS TYPE: NUCLEIC ACID STRANDEDNESS: SINGLE TOPOLOGY: LINEAR	
(ii)	MOLECULE TYPE: Oligonucleotide	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:4:	
CGGAAGCTTC	GTCACAAGCC CACAGATAT 29	
(2) INFO	RMATION FOR SEQ ID NO:5:	
(A) (B) (C)	ENCE CHARACTERISTICS LENGTH: 34 BASE PAIRS TYPE: NUCLEIC ACID STRANDEDNESS: SINGLE TOPOLOGY: LINEAR	
(ii)	MOLECULE TYPE: Oligonucleotide	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:5:	
GTCCAAGCTT	GCCACCATGG ATTATCAAGT GTCA 34	
(2) INFO	RMATION FOR SEQ ID NO:6:	
(A) : (B) : (C) :	ENCE CHARACTERISTICS LENGTH: 61 BASE PAIRS TYPE: NUCLEIC ACID STRANDEDNESS: SINGLE TOPOLOGY: LINEAR	
(ii)	MOLECULE TYPE: Oligonucleotide	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:6:	
CTAGCTCGAG	ICAAGCGTAG TCTGGGACGT CGTATGGGTA GCACAAGCCC ACAGATATTT	60
С		63
(i) SEQUI (A) 1 (B) 1 (C) 1	RMATION FOR SEQ ID NO:7: ENCE CHARACTERISTICS LENGTH: 30 BASE PAIRS IYPE: NUCLEIC ACID STRANDEDNESS: SINGLE IOPOLOGY: LINEAR	
(ii) (xi)	MOLECULE TYPE: Oligonucleotide SEOUENCE DESCRIPTION: SEO ID NO:7:	

CGGGATCCCT CCATGGATTA TCAAGTGTCA											;	30			
(2) INFORMATION FOR SEQ ID NO:8: (i) SEQUENCE CHARACTERISTICS (A) LENGTH: 29 BASE PAIRS (B) TYPE: NUCLEIC ACID (C) STRANDEDNESS: SINGLE (D) TOPOLOGY: LINEAR															
<pre>(ii) MOLECULE TYPE: Oligonucleotide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:</pre>													•		
CGGGATCCCG CTCACAAGCC CACAGATAT													2	29	
(2)) SE(() ()	TION QUENCA) LI B) T C) S' D) T	CE CI ENGTI YPE: IRANI	HARAGH: 3- amin DEDNI	CTER: 44 and accept and accept	ISTIO mino cid sino	CS: acio	ds						
			LECU:			-		250	. n. 17	2 2					
C1			QUEN								61		_	_	
GIU	Glu	vaı	Thr	5	Pne	Pne	Asp	Tyr	10	Tyr	GIÀ	Ala	Pro	15	
His	Lys	Phe	Asp	Val 20	Lys	Gln	Ile	Gly	Ala 25	Gln	Leu	Leu	Pro	Pro 30	
Leu	Tyr	Ser	Leu	Val 35	Phe	Ile	Phe	Gly	Phe 40	Val	Gly	Asn	Met	Leu 45	
Val	Val	Leu	Ile	Leu 50	Ile	Asn	Cys	Lys	Lys 55	Leu	Lys	Cys	Leu	Thr 60	
Asp	Ile	Tyr	Leu	Leu 65	Asn	Leu	Ala	Île	Ser 70	Asp	Leu	Leu	Phe	Leu 75	
Ile	Thr	Leu	Pro	Leu 80	Trp	Ala	His	Ser	Ala 85	Ala	Asn	Glu	Trp	Val 90	
Phe	Gly	Asn	Ala	Met 95	Cys	Lys	Leu	Phe	Thr 100	Gly	Leu	Tyr	His	Ile 10	
Gly	Tyr	Phe	Gly	Gly 110	Ile	Phe	Phe	Ile	Ile 115	Leu	Leu	Thr	Ile	Asp 120	
Arg	Tyr	Leu	Ala	Ile 125	Val	His	Ala	Val	Phe 130	Ala	Leu	Lys	Ala	Arg 135	
Thr	Val	Thr	Phe	Gly 140	Val	Val	Thr	Ser	Val 145	Ile	Thr	Trp	Leu	Val 150	
Ala	Val	Phe	Ala	Ser 155	Val	Pro	Gly	Ile	Ile 160	Phe	Thr	Lys	Cys	Gln 165	
Lys	Glu	Asp	Ser	Val	Tyr	Val	Cys	Gly	Pro	Tyr	Phe	Pro	Arg	Gly	

Trp Asn Asn Phe His Thr Ile Met Arg Asn Ile Leu Gly Leu Val

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			•	185					190					195
Leu	Pro	Leu	Leu	Ile 200	Met	Val	Ile	Cys	Tyr 205	Ser	Gly	Ile	Leu	Lys 210
Thr	Leu	Leu	Arg	Cys 215	Arg	Asn	Glu	Lys	Lys 220	Arg	His	Arg	Ala	Val 225
Arg	Val	Ile	Phe	Thr 230	Ile	Met	Ile	Val	Tyr 235	Phe	Leu	Phe	Trp	Thr 240
Pro	Tyr	Asn	Ile	Val 245	Ile	Leu	Leu	Asn	Thr 250	Phe	Gln	Glu	Phe	Phe 255
Gly	Leu	Ser	Asn	Cys 260	Glu	Ser	Thr	Ser	Gln 265	Leu	Asp	Gln	Ala	Thr 270
Gln	Val	Thr	Glu	Thr 275	Leu	Gly	Met	Thr	His 280	Cys	Cys	Ile	Asn	Pro 285
Ile	Ile	Tyr	Ala	Phe 290	Val	Gly	Glu	Lys	Phe 295	Arg	Ser	Leu	Phe	His 300
Ile	Ala	Leu	Gly	Cys 305	Arg	Ile	Ala	Pro	Leu 310	Gln	Lys	Pro	Val	Cys 315
Gly	Gly	Pro	Gly	Val 320	Arg	Pro	Gly	Lys	Asn 325	Val	Lys	Val	Thr	Thr 330
Gln	Gly	Leu	Leu	Asp 335	Gly	Arg	Gly	Lys	Gly 340	Lys	Ser	Ile	Gly	

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